



Animal and Plant
Health Inspection
Service

Veterinary Services

Center for Veterinary
Biologics

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Leptospira canicola Master Reference Bacterin - Lot ID IRP 555 (07)

Document Number: CVB-DAT-0073

Revision: 02

Previous Number: BB DAT0093.06

Vault: CVB-Released

Section/Area: CVB-DAT

Effective Date: 01 Apr 2020

Notes: *Strain or Source: Lot 82518, Fill date: April 27, 2007*

United States Department of Agriculture
Animal and Plant Health Inspection Service
Center for Veterinary Biologics
P. O. Box 844
Ames, IA 50010

1. **Reagent Name:** *Leptospira canicola* Master Reference Bacterin
2. **Strain or Source:** Lot 82518
3. **Lot Number:** IRP 555 (07)
4. **Fill Date:** April 27, 2007
5. **Expiration Date:** April 30, 2022

Precautions: There are no known hazards associated with the use of this reagent.

6. **Intended Use:** To be used as a reference bacterin in accordance with **SAM 625** (Supplemental Assay Method for *in vitro* Potency Testing of *Leptospira interrogans* Serogroup *canicola* Bacterins). **CAUTION:** This reference is to be used for canine, swine, and bovine vaccines as approved in Outlines of Production.
7. **Instructions for Use:** Make an initial dilution of 1:10 (1.0 mL bacterin + 9.0 mL 0.85% NaCl solution). Adjust final dilution (using 0.85% NaCl solution) based on host animal dosage per the following table. This dilution is used as the Working Reference bacterin for ELISA testing. The final dilution is considered as **UNDILUTED** when entering data into the software to estimate relative potency.

Initial dilution	Host dose	Additional Dilution	Final dilution
1:10	1 mL	None	1:10
1:10	2 mL	1:2	1:20
1:10	4 mL	1:4	1:40
1:10	5 mL	1:5	1:50

8. **Test of Reagent:** Tested satisfactory for sterility according to 9 CFR 113.26. Host animal (canine and porcine) studies conducted by Dr. Carole Bolin at Michigan State University.
9. **Container Size, Type, Weight, or Volume:** 2-mL serum vials with ~1.1 mL
10. **Storage Conditions:** 2°- 7°C

11. CVB Technical Contact: Bacteriology Section, Center for Veterinary Biologics, (515) 337-6140 or FAX (515) 337-7673.

12. Origin and Passage History: Passage history not available.

13. Method of Preparation: This reagent was produced by a licensee according to a confidential outline of production. Bacterin was diluted 1:10 prior to bottling using 0.85% NaCl solution as diluent.

14. Other: None.

Reagent orders and feedback should be sent *including phone number* to the following email address: VS.DB.CVB.Reagent.Requests@usda.gov

Reagent orders forms (APHIS Form 2018) can be found on the CVB website.